

4.2.A. 0603000401.

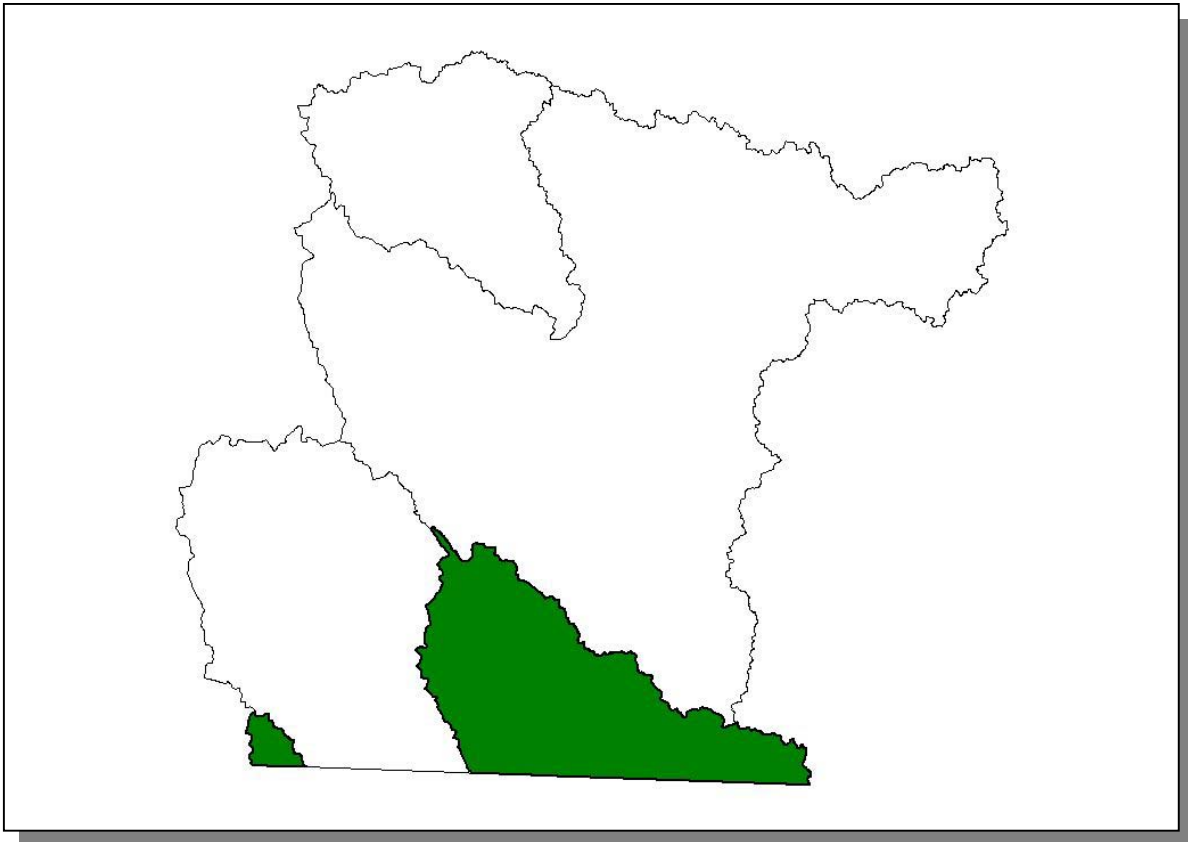


Figure 4-2. Location of Subwatershed 0603000401. All Lower Elk HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.A.i. General Description.

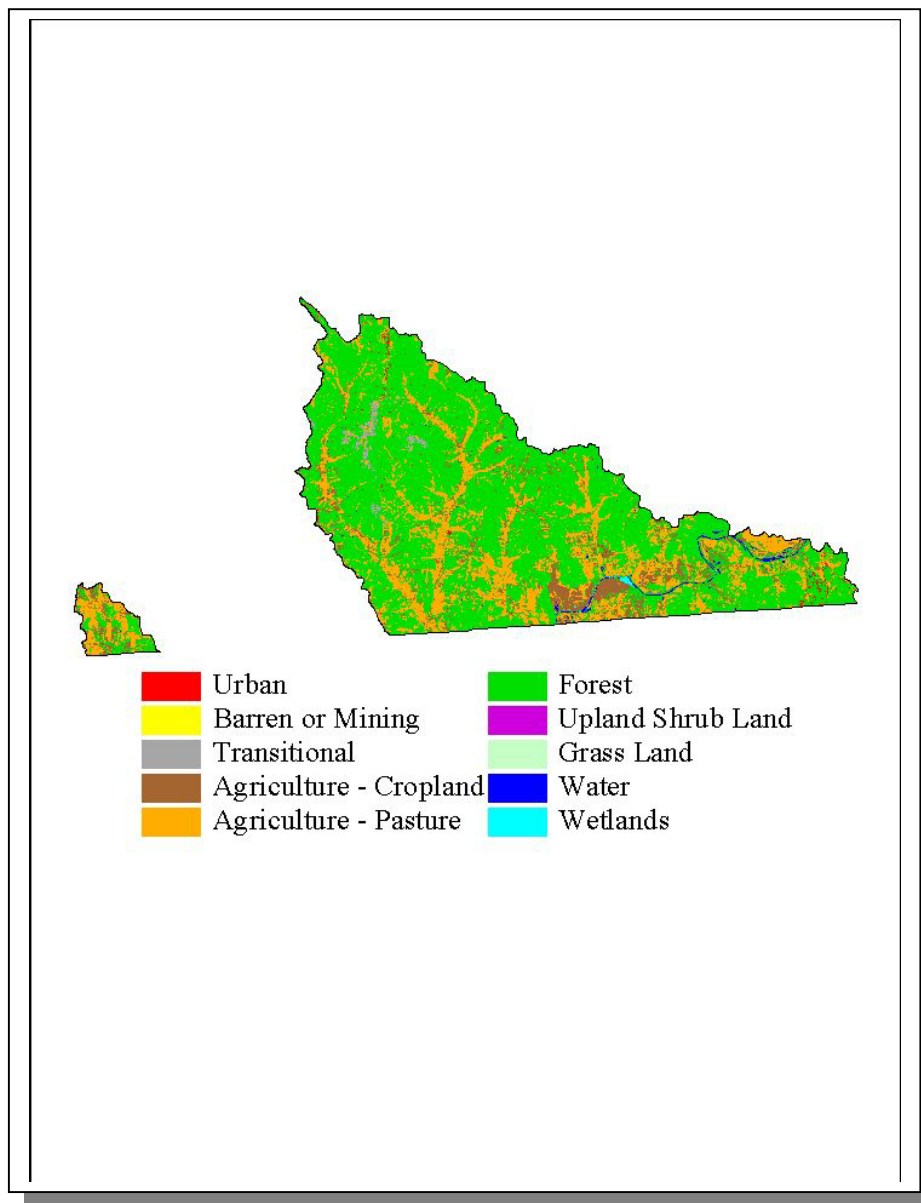


Figure 4-3. Illustration of Land Use Distribution in Subwatershed 0603000401.

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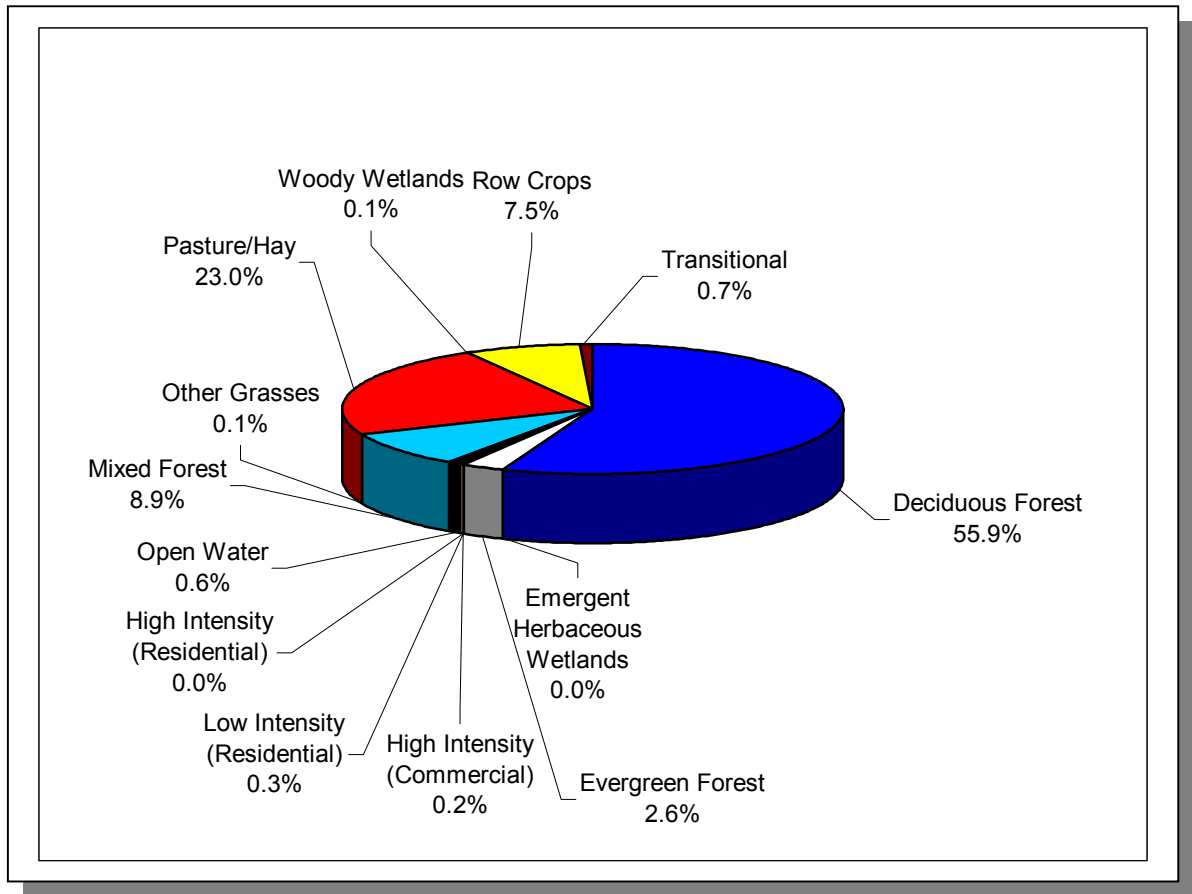


Figure 4-4. Land Use Distribution in Subwatershed 0603000401. More information is provided in Lower Elk-Appendix IV.

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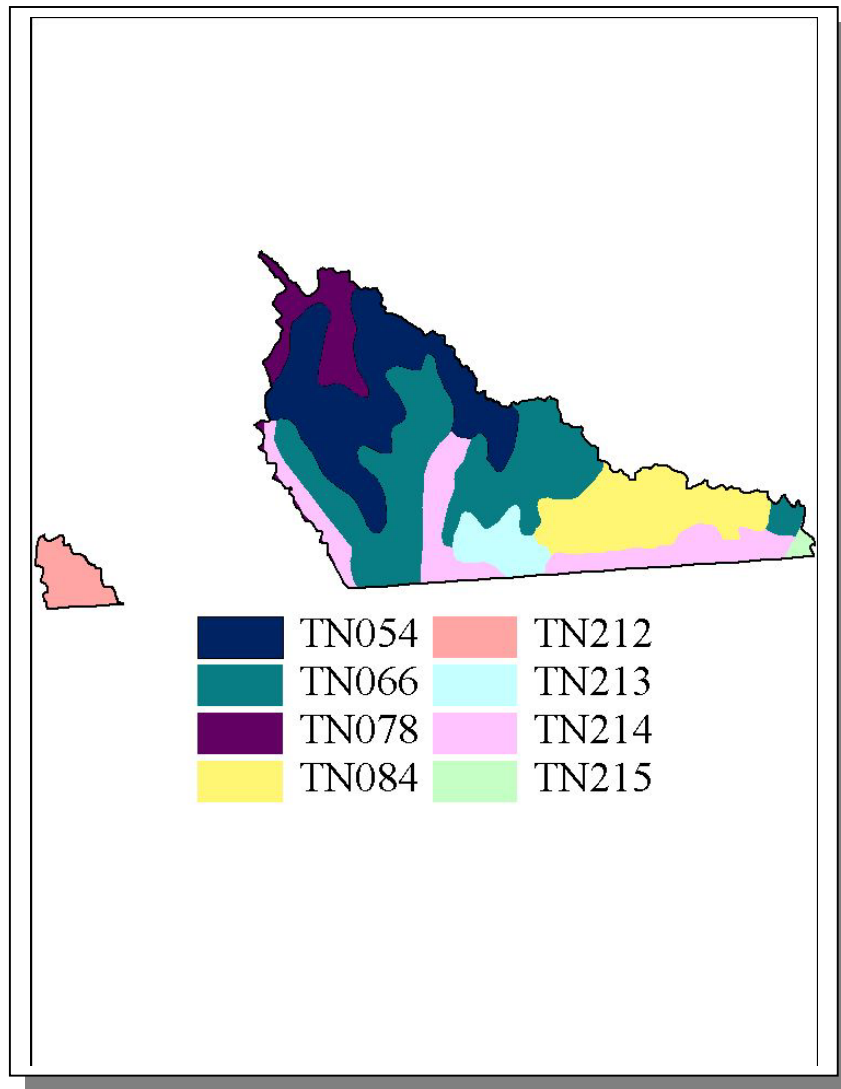


Figure 4-5. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000401.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN066	0.00	B	2.62	4.75	Loam	0.28
TN078	5.00	B	1.73	4.96	Silty Loam	0.39
TN084	0.00	C	1.80	4.99	Silty Loam	0.28
TN212	4.00	B	1.95	5.04	Silty Loam	0.38
TN213	9.00	C	1.89	5.30	Loam	0.35
TN214	0.00	B	2.52	4.86	Loam	0.32
TN215	9.00	C	1.57	5.02	Silty Loam	0.39

Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000401. More details are provided in Lower Elk-Appendix IV.

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County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		PERCENT CHANGE
	1990	1997 Est.		1990	1997	
Giles	25,741	28,515	12.84	3,306	3,662	10.8
Lawrence	35,303	39,095	0.4	143	158	10.5
Totals	61,044	67,610		3,449	3,820	10.8

Table 4-3. Population Estimates in Subwatershed 0603000401.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Ardmore	Giles	828	342	192	150	0
Minor Hill	Giles	351	186	2	182	2
Total		1,179	528	194	332	2

Table 4-4. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0603000401.

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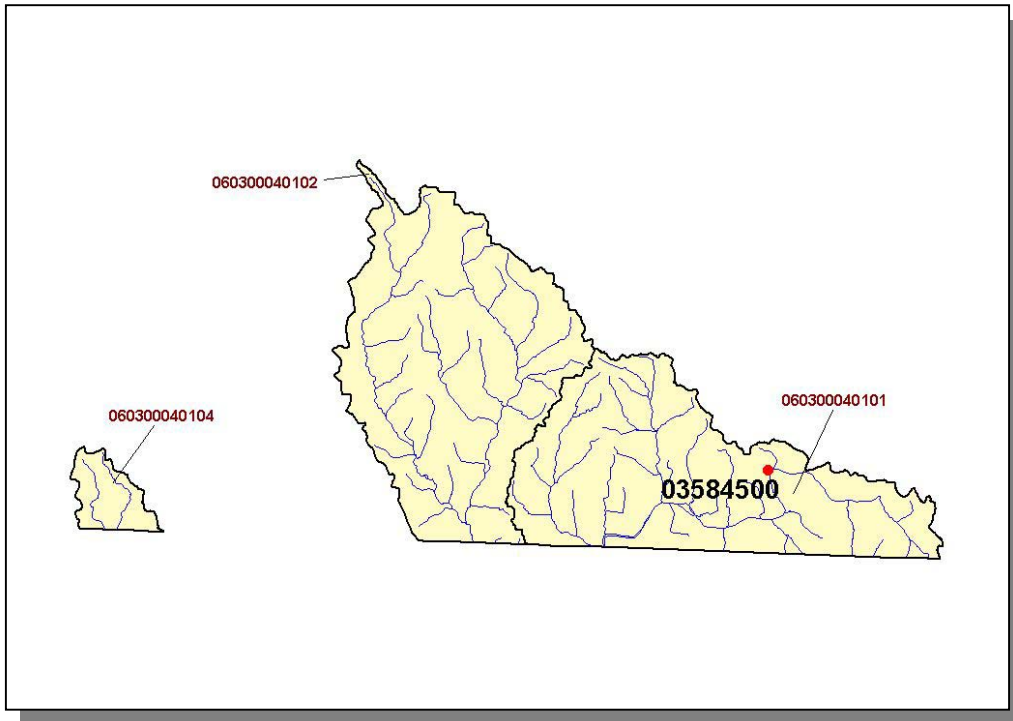


Figure 4-6. Location of Historical Streamflow Data Collection Sites in Subwatershed 0603000401. Subwatershed 060300040101, 060300040102, and 060300040104 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

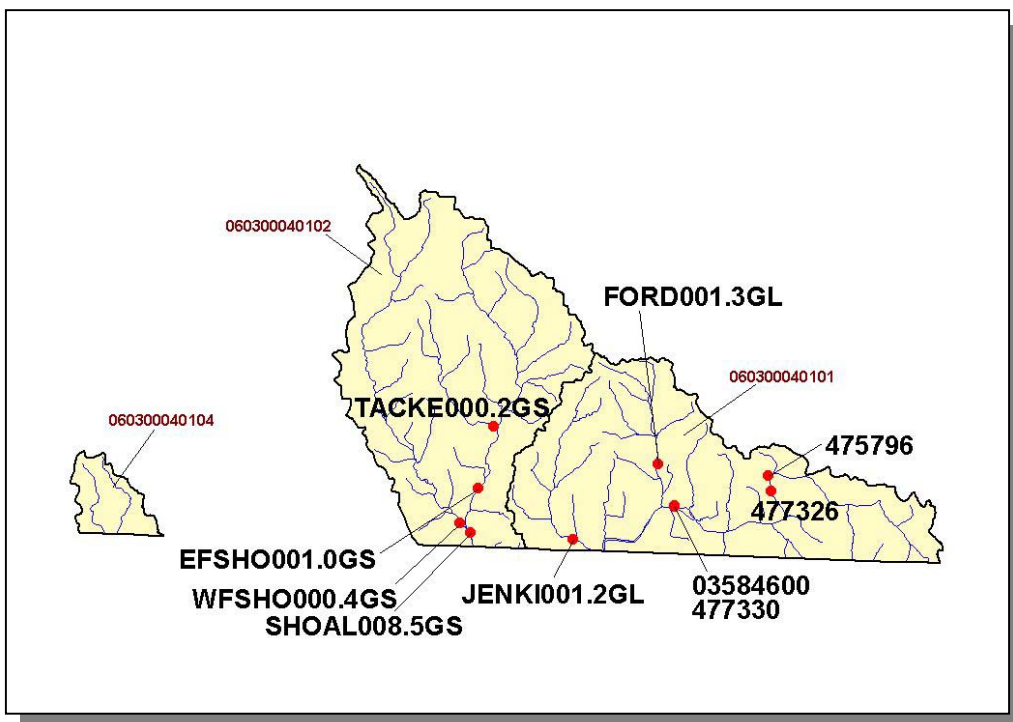


Figure 4-7. Location of STORET Monitoring Sites in Subwatershed 0603000401. Subwatershed 060300040101, 060300040102, and 060300040104 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

4.2.A.ii Point Source Contributions.

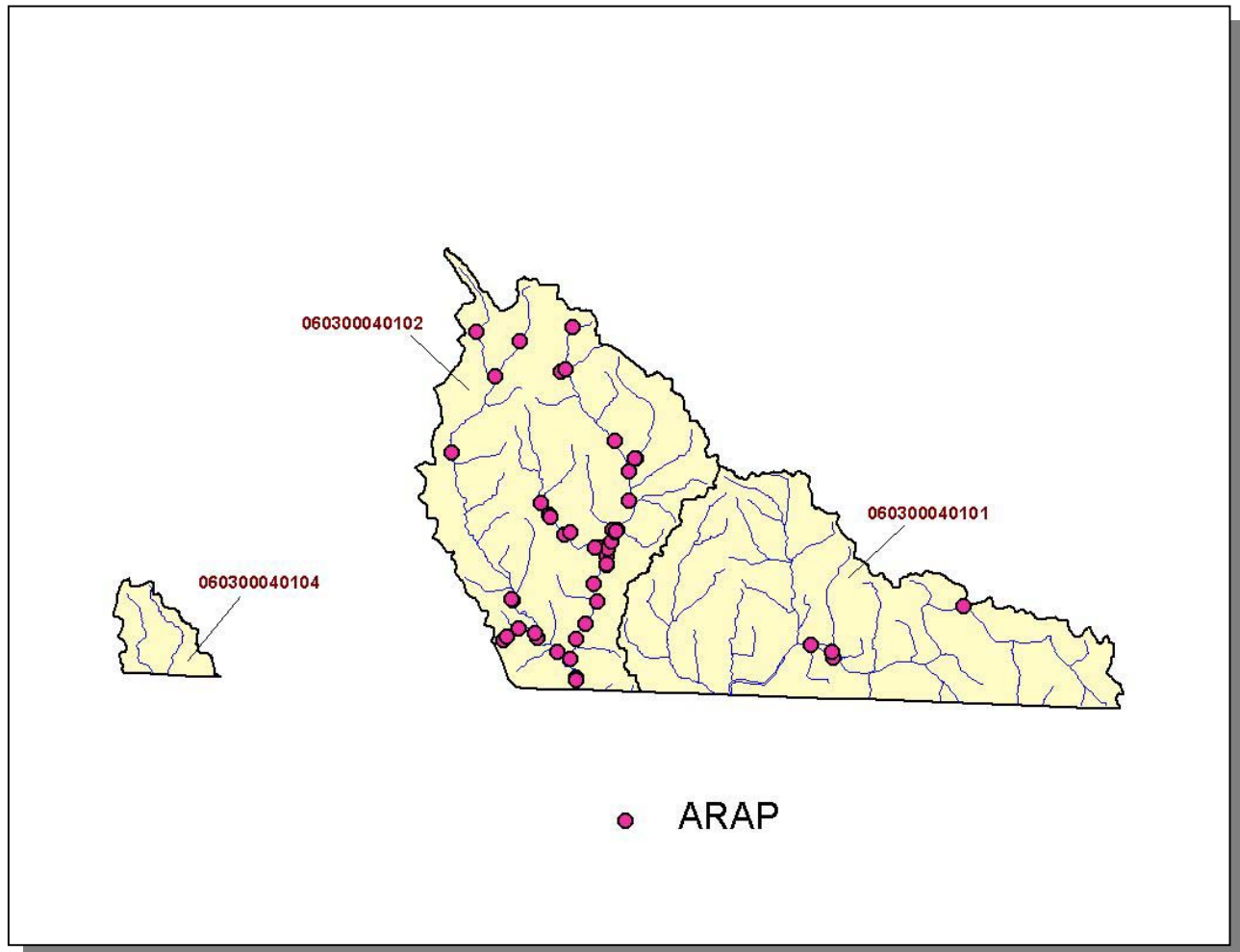


Figure 4-8. Location of Active Point Source Facilities in Subwatershed 0603000401. Subwatershed 060300040101, 060300040102, and 060300040104 boundaries are shown for reference. More information is provided in the following charts.

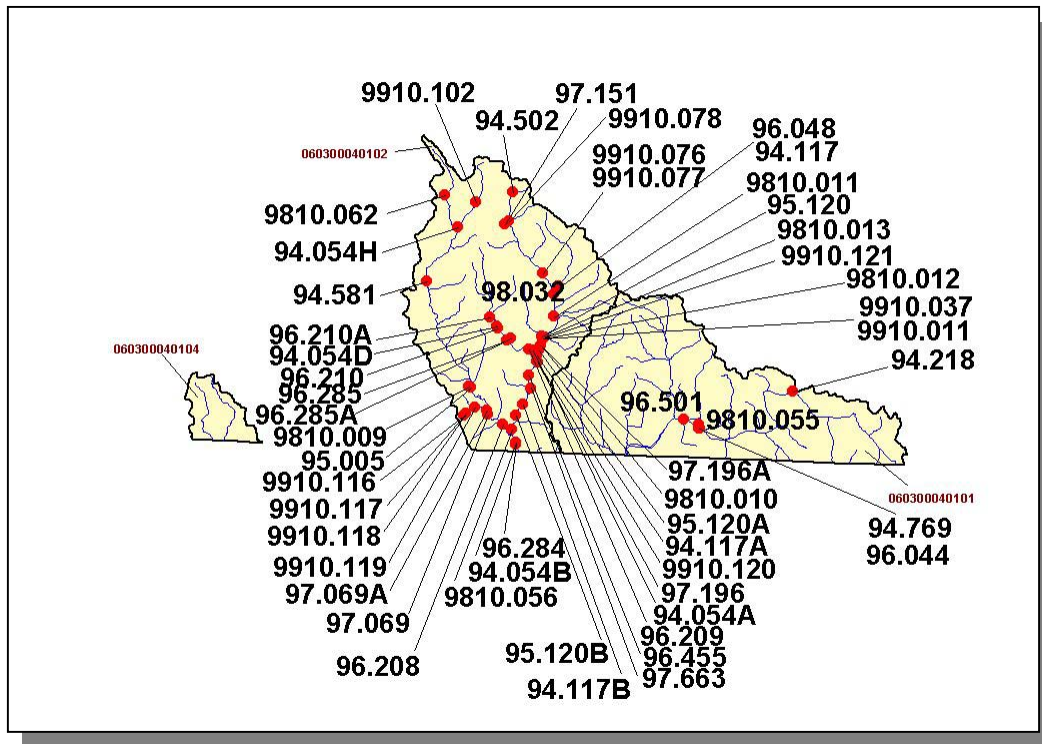


Figure 4-9. Location of ARAP Sites (Individual Permits) in Subwatershed 060300040101. Subwatershed 060300040101, 060300040102, and 060300040104 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

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4.2.A.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
3,345	7,276	301	10	110,966	956	38

Table 4-5. Summary of Livestock Count Estimates in Subwatershed 0603000401. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Giles	171.8	171.8	3.3	11.4
Lawrence	199.8	199.8	6.6	27.1
Totals	371.6	371.6	9.9	38.5

Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 0603000401.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	4.25
Soybeans (Row Crops)	3.93
Cotton (Row Crops)	8.07
All Other Row Crops	2.70
Grass (Hayland)	0.21
Legume/Grass (Hayland)	0.12
Grass (Pastureland)	1.03
Grass, Forbs, Legumes (Mixed Pasture)	0.77
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Wheat (Close Grown Cropland)	2.28
Barley (Close Grown Cropland)	1.08
All Other Close Grown Cropland	1.80
Other Vegetable and Truck Crops	4.29
Conservation Reserve Program Land	0.25
Summer Fallow (Other Cropland)	0.35
Other Cropland (Not Planted)	0.66
Nonagricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.32

Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 0603000401.